

## Template for ISB Documentation of Stressors

### A. General Information:

**1. Name or Location of Example/Approach:** Healthy Waterways (South Queensland)

**2. Literature/Citations Used:** Bunn, S.E., E.G. Abal, M.J. Smith, S.C. Choy, C.S. Fellows, B.D. Harch, M.J. Kennard, and F. 2010. Integration of science and monitoring of river ecosystem health to guide investments in catchment protection and rehabilitation. *Freshwater Biology* 55 (Suppl. 1) 223-240

**3. Reviewer(s):** V. Resh

### B. Specific Questions:

**1. What stressors are considered?** 46 different stressors are lumped into 6 categories: channel condition and erosion sensitivity; barriers to dispersal downstream of sample sites; measures of riparian vegetation conditions; and measures of in-stream habitat

**2. Are stressors categorized? If so, how?** Yes, see above

**3. Are the relations between stressors and management objectives modeled, and if so, how?** There are several examples of individual models that are used on the website of the organization [www.healthywaters.org](http://www.healthywaters.org)

**4. If stressors are prioritized, describe the general approach.** Stressors are not prioritized in any of the documents I was able to find.

**5. How might this approach be relevant to Bay Delta?** This really a successful program that is currently in the phase of emphasizing monitoring and development of appropriate indicators and gradients of stressors. Their description of the goal of their program fits ours very well—"It can be said that many environmental monitoring programmes are simply a useful means of documenting decline To be much more than this, monitoring and reporting need to be developed in the context of an adaptive process, which is clearly linked to identified values and objectives, is informed by new science, guides management actions and is responsive to changing perceptions and values of stakeholders".

**6. Follow up regarding additional questions/literature review/etc?** I will be in Australia meeting with the head of this program at the end of January and can pursue any additional areas of interest proposed by the DISB.